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PTO/SB/05 (11-00) Approved for use through 10/31/2002 OMB 0651-0032 U.S Patent and Trademark Office; U.S DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

1087-2 Attorney Docket No. Bowdish et al. First Inventor RATIONALLY DESIGNED ANTIBODIES Express Mail Label No. EL776821623US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application			
See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231			
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 79] - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,	7. CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>) 8. Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper			
or a computer program listing appendix - Background of the Invention	c. Statements verifying identity of above copies			
- Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney			
4. V Drawing(s) (35 U.S.C. 113) [Total Sheets 33]	11. English Translation Document (if applicable) Information Disclosure Copies of IDS			
5. Oath or Declaration [Total Pages] a. Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1 63(d)(2) and 1 33(b).	12. Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35			
6. Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 Other: Check in the amount of \$3,278.00				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Of prior application No Prior application information Examiner Group Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.				
The incorporation can only be relied upon when a portion has been inadventual 19. CORRESPOND				
Customer Number or Bar Code Label (Insert Customer No. or Attach b	Orrespondence address helpw			
Name Peter DeLuca				
DILWORTH & BARRESE, LLP				
Address 333 Earle Ovington Blvd.				
City Uniondale	State New York Zip Code 11553			
Country U.S.A Te	Tephone (516) 228-8484 Fax (516) 228-8516			
Name (Print/Type) Peter DeLuca	Registration No. (Attorney/Agent) 32,978			
Signature // Mc 2	Date December 5, 2001			

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL776821623US addressed to: Assistant Commissioner for Patents, Box Patent Application, P.O. Box 2327, Arlington, VA 22202

Dated: December 5, 2001



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Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 3,098.00

Complete if Known		
Application Number		
Filing Date	December 5, 2001	
First Named Inventor	Bowdish et al.	
Examiner Name		
Group Art Unit		
Attorney Docket No.	1087-2	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)			
1. X The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES Large Entity Small Entity			
Deposit Account Number	Fee Fee Fee Fee Fee Descripti	on Fee Paid		
Deposit	105 130 205 65 Surcharge - late filing fee or	oath		
Account Name DILWORTH & BARRESE, LLP	127 50 227 25 Surcharge - late provisional cover sheet	filing fee or		
Charge Any Additional Fee Required Under 37 CFR 1 16 and 1.17	139 130 139 130 Non-English specification			
Applicant claims small entity status	147 2,520 147 2,520 For filing a request for ex page	arte reexamination		
See 37 CFR 1 27	112 920* 112 920* Requesting publication of S Examiner action	IR pnor to		
2. X Payment Enclosed: X Check Credit card Money Order Other	113 1,840* 113 1,840* Requesting publication of S Examiner action	IR after		
FEE CALCULATION	115 110 215 55 Extension for reply within file	st month		
	116 400 216 200 Extension for reply within se	econd month		
1. BASIC FILING FEE Large Entity Small Entity	117 920 217 460 Extension for reply within the	ird month		
Fee Fee Fee Fee Description	118 1,440 218 720 Extension for reply within for	urth month		
Code (\$) Code (\$) Fee Paid	128 1,960 228 980 Extension for reply within fit	th month		
101 740 201 370 Utility filing fee \$740.00	119 320 219 160 Notice of Appeal			
	120 320 220 160 Filing a brief in support of a	n appeal		
107 510 207 255 Plant filing fee 108 740 208 370 Reissue filing fee	121 280 221 140 Request for oral hearing			
114 160 214 80 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public	use proceeding		
114 100 214 00 Flovisional ming lee	140 110 240 55 Petition to revive - unavoida	ible		
SUBTOTAL (1) (\$) 740.00	141 1,280 241 640 Petition to revive - unintenti	onal		
2. EXTRA CLAIM FEES	142 1,280 242 640 Utility issue fee (or reissue)			
Fee from Extra Claims below Fee Paid	143 460 243 230 Design issue fee			
Total Claims $95 - 20^{**} = 75 \times $18 = 1.350	144 620 244 310 Plant issue fee			
Independent Claims 15 - 3** = 12 x \$84 = \$1,008	122 130 122 130 Petitions to the Commission	ner		
Multiple Dependent \$280 = 0	123 50 123 50 Processing fee under 37 CF	FR 1 17(q)		
**or number previously paid, if greater; For Reissues, see below	126 180 126 180 Submission of Information I	Disclosure Stmt		
Large Entity Fee Fee Fee Fee Description Code (\$) Code (\$)	581 40 581 40 Recording each patent assi property (times number of			
103 18 203 9 Claims in excess of 20	146 740 246 370 Filing a submission after fin (37 CFR § 1 129(a))	` '		
102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claim, if not paid	149 740 249 370 For each additional invention			
109 84 209 42 ** Reissue independent claims	examined (37 CFR § 1.129 179 740 279 370 Request for Continued Exa	· · · · · · · · · · · · · · · · · · ·		
over original patent	179 740 279 370 Request for Continued Exa 169 900 169 900 Request for expedited exar			
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	of a design application	milation		
and oron original patoni	Other fee (specify)			
SUBTOTAL (2) (\$) 2,358.00 • Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00				
SUBMITTED BY Complete (if applicable)				
Name (PrintlType) Peter DeLuca Registration No 32 978 Telephone (516) 228 8484				

CERTIFICATION UNDER 37 C.F.R. § 1.10

Date

December 5, 2001

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Dated: December 5, 2001 Peter DeLuca

Signature